

RACK-LEVEL POWER MANAGEMENT OF COMPUTER SYSTEMS

ABSTRACT OF THE DISCLOSURE

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One embodiment disclosed relates to a system for power management of a group of computers. The system includes server side infrastructure (SSI) circuitry at each computer in the group and a centralized power management module (CPMM). The SSI circuitry includes local monitoring
10 circuitry coupled to a central processing unit (CPU) of the computer. The CPMM has a management link to the SSI circuitry at each computer in the group. The local circuitry at each computer monitors power consumption at the CPU of that computer and transmits power consumption data to the CPMM. The CPMM applies a set of rules to the power consumption data to determine when and at
15 which computers to enable and disable a CPU power throttling mode.